

Abstract

5 **Microbattery with at least one electrode and electrolyte each comprising a common grouping [XY₁Y₂Y₃Y₄] and method for production of said microbattery.**

A microbattery comprises, in the form of thin layers, at least first and second electrodes between which a solid electrolyte is disposed. The first electrode and the electrolyte both comprise at least one common grouping of 10 [XY₁Y₂Y₃Y₄] type, where X is located in a tetrahedron whose peaks are respectively formed by the chemical elements Y₁, Y₂, Y₃ and Y₄, the chemical element X being selected from the group consisting of phosphorus, boron, silicon, sulphur, molybdenum, vanadium and germanium and the chemical 15 elements Y₁, Y₂, Y₃ and Y₄ being selected from the group consisting of sulphur, oxygen, fluorine and chlorine.